

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

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FOOD AND DRUG ADMINISTRATION

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FRAMEWORK FOR PHARMACY COMPOUNDING:
STATE AND FEDERAL ROLES

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WEDNESDAY
DECEMBER 19, 2012

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The Meeting convened at the FDA White Oak Campus, 10903 New Hampshire Avenue, Silver Spring, Maryland, at 3:00 p.m., Margaret Hamburg, Commissioner, and Heidi Marchand, Moderator, presiding.

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PRESENT

MARGARET HAMBURG, Commissioner, Food and Drug
Administration

HEIDI MARCHAND, Moderator

JANE AXELRAD, Food and Drug Administration

PETER BECKERMAN, Food and Drug Administration

ILISA BERNSTEIN, Food and Drug Administration

BERNADETTE DUNHAM, Food and Drug
Administration

ELLEN MORRISON, Food and Drug Administration

HOWARD SKLAMBERG, Food and Drug
Administration

JOHN KIRTLEY, Southwest Region

JAY CAMPBELL, Southeast Region

CODY WIBERG, Central Region I

ASA YI, Central Region II

LAWRENCE MOKHIBER, Northeast Region

MARK JOHNSTON, Pacific Region

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P-R-O-C-E-E-D-I-N-G-S

MODERATOR MARCHAND: We have about 500 on the webcast, as well. So, welcome to FDA, good afternoon.

My name is Heidi Marchand, and I direct the Office of Special Health Issues here at FDA, and I'll be your moderator for this afternoon.

As you're settling in please remember to turn your cell phones off or put them on the silent mode. And I will be pleased to introduce to you our Commissioner, our 21st Commissioner, Dr. Margaret Hamburg.

She's been the Commissioner since May of 2009. She's a physician and graduated from Harvard Medical School. She's held the position of Commissioner with the New York City Department of Health and Mental Hygiene, and has held academic appointments at Columbia School of Public Health and at Cornell Medical College.

In 2001, Dr. Hamburg became Vice

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1 President at the Nuclear Threat Initiative,
2 and its senior scientist. While there she
3 advocated broad reforms in public health and
4 policy to mitigate the dangers of
5 bioterrorism threats, as well as naturally
6 occurring threats like pandemic flu. Without
7 further delay, Commissioner Hamburg.

8 COMMISSIONER HAMBURG: Well, thank
9 you very much, and I want to welcome all of
10 you who are just joining us now for this
11 public portion of this meeting. And we really
12 are just so pleased that this meeting has
13 been able to happen. We're delighted to have
14 members of the public with us as we move into
15 the final stages of today's very rich
16 discussion. And I also want to acknowledge
17 the people who can't be with us today but are
18 participating on the internet because I do
19 think that having that broader reach is very
20 important.

21 This is a historic meeting, and
22 hopefully one that will make a real and

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1 enduring difference, but we also realize that
2 it's just a beginning, a critical and
3 essential step in a process of deepening
4 understanding of the issues raised by
5 compounding pharmacies, identification of
6 critical needs and gaps, and delineation of
7 opportunities to move forward together in a
8 more coordinated, comprehensive, and
9 effective way.

10 This afternoon FDA and
11 representatives from the states will be
12 sharing results from today's
13 intergovernmental meeting talking about the
14 discussions that we've had, and we really
15 this morning had an opportunity for some very
16 full and frank discussions about FDA's
17 relationship with the states and overseeing
18 the pharmacy compounding industry.

19 We are indeed fortunate that
20 representatives from all 50 states and the
21 District of Columbia, more than 100 people in
22 all, were able to join us for those

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1 discussions. They agreed to travel here on
2 very short notice to take part in this
3 meeting, and they were joined in their
4 discussions by FDA staff, officials here from
5 headquarters, but also our regional FDA
6 representatives, and I think everyone really
7 has benefitted today's discussions. And I
8 think it has strengthened ongoing
9 relationships as well as, of course,
10 enriching our dialogue.

11 I also have to note that such an
12 impressive turnout on such short notice and
13 in the week before Christmas holidays, you
14 know, really speaks to the gravity and the
15 urgency of this set of concerns, and the need
16 we all feel to really work together to better
17 protect the public health through stronger
18 oversight of pharmacy compounding, and to
19 make sure that going forward we are doing the
20 very best that can be done.

21 As you all know, a little more
22 than two months ago we learned about the

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1 first death from fungal meningitis associated
2 with the steroidal injection
3 methylprednisolone acetate that had been
4 produced by the New England Compounding
5 Center.

6 As events unfolded, I think we
7 have all been stunned and horrified by the
8 magnitude of the devastation. The stark
9 reality is that 39 people have died with some
10 620 cases, and thousands of patients have
11 endured months of worry knowing that they'd
12 been injected with implicated lots of this
13 product.

14 I also want to recognize and
15 express thanks to the many state officials
16 assembled here and their organizations who
17 did such amazing work responding to the
18 emerging outbreak, participating in the
19 investigations, and in reaching out to health
20 care providers, patients, and the public to
21 keep them informed and to help them respond.

22 Needless to say, caring for this

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1 many patients has also taken a toll on health
2 care systems in the 19 states with reported
3 cases, and has had very significant
4 ramifications that have extended far beyond
5 the borders of those states.

6 I can assure you that those
7 patients, families, and health care
8 professionals who have labored so hard to
9 address this devastating outbreak have been
10 very much in our thoughts as we have talked
11 today.

12 Clearly it's imperative that we
13 close the gaps in oversight at the fast-
14 growing compounding industry. The fungal
15 meningitis outbreak is the most tragic, but
16 not the only example of why we must act now.
17 The magnitude of this issue reminds us,
18 though, that FDA cannot and should not be
19 largely reactive in our role of regulating
20 compounding pharmacies. To fulfill our
21 mission we must be able to help support
22 quality practices and products, to

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1 proactively identify dangerous practices
2 before they result in actual harm, and when
3 necessary intervene to minimize the damage
4 and to prevent future similar events.

5 The need to be proactive on
6 compounding, of course, underlies part of why
7 we so wanted to undertake this 50-state
8 meeting today. FDA believes that we all have
9 a shared public health mission, and it is
10 this mission that must drive our approach and
11 will be the most effective approach for the
12 oversight of pharmacy compounding that
13 includes medications for both humans and for
14 animals.

15 As I discussed with the group
16 earlier this morning, I do want to emphasize
17 that the states play a fundamental role in
18 the oversight of traditional compounding and
19 they should continue to do so. By traditional
20 compounding I mean licensed pharmacists
21 engaged in the combining or altering of
22 ingredients in response to a licensed

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1 practitioner's prescription for an individual
2 patient to produce some medication tailored
3 to that patient's needs.

4 Traditional compounding provides
5 a valuable service to the health care system,
6 and this practice should remain subject to
7 the state regulation of the practice of
8 pharmacy. But some compounding pharmacies
9 have evolved beyond small-scale community
10 operations. As these facilities have moved to
11 large volume production, to shipping across
12 state lines, to producing sterile products
13 from non-sterile ingredients, the risk to
14 patients have increased.

15 FDA has seen an increasing number
16 of incidents related to drugs from some of
17 these pharmacies with NECC as the latest and,
18 of course, the most certain incident to date.
19 But consider some of these earlier examples.
20 In 2005, gram-negative rods, a type of
21 bacteria that can cause disease and infection
22 were identified in two lots of cardioplegia

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1 solution made by a firm in Maryland. These
2 were reports of five cases of adverse events,
3 including three deaths associated with this
4 contaminated cardioplegia solution.

5 In 2007, a cluster of infections
6 occurred after patients received infusions of
7 fentanyl made by a firm in Mississippi. One
8 patient died of acute respiratory distress
9 and multi organ failure.

10 In 2009, FDA received reports of
11 nine patients who contracted orbital
12 cellulitis, a type of eye inflammation
13 following administration of a compounded
14 injectable product made by a compounding
15 pharmacy in Florida. At least one of these
16 patients suffered vision loss.

17 FDA in each of these cases
18 responded to address the underlying problem,
19 but recognized that we needed to be able to
20 do more. We have tried in the past to clarify
21 our position on the oversight of compounding
22 pharmacies by issuing a compliance policy

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1 guide back in 1992 to delineate the agency's
2 enforcement policy on compounding. And when
3 that proved unpopular with industry in 1997,
4 Congress enacted compounding legislation as
5 part of the Food and Drug Administration
6 Modernization Act. This legislation is what
7 added Section 503(a) to the Federal Food Drug
8 & Cosmetic Act.

9 Section 503(a) exempts compounded
10 drugs from three requirements of the FDCA,
11 premarket approval, compliance with current
12 good manufacturing practice, and requirement
13 that a drug bear adequate instructions for
14 use provided that certain conditions are met.
15 The law does not set an absolute limit on
16 volume as a distinguishing factor between
17 compounding and other manufacturing, nor does
18 the section strictly prohibit anticipatory
19 compounding, or the compounding of drugs that
20 are essentially copies of FDA-approved drugs.

21 In addition, over the last decade
22 Section 503(a) has been the subject of court

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1 challenges with conflicting opinions
2 amplifying the perceived gaps and ambiguity
3 associated with the FDA's authority of
4 compounding that we confront today. I believe
5 it's time to end the ambiguity and to close
6 those gaps.

7 During my recent House and Senate
8 Committee testimony, I spoke to FDA's current
9 thinking about the need for a risk-based
10 regulatory system that would create a three-
11 tiered framework, traditional compounding,
12 non-traditional compounding, and
13 manufacturing. Clearly, we've been discussing
14 some of that today, and it's an area where I
15 think we will likely want to have continuing
16 discussions. But in this framework that we're
17 proposing traditional compounding would
18 remain subject to the state regulation of the
19 practice of pharmacy. Non-traditional
20 compounding, and it could be called by many
21 names, would include drugs for which there is
22 a medical need but that pose higher risks

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1 based on factors that might include making
2 sterile products, the amount of product being
3 made, whether the compounded drug is being
4 shipped interstate, or whether the drug is
5 being dispensed to someone other than the
6 ultimate user once it leaves the facility
7 where it was produced.

8 Non-traditional compounding would
9 be subject to federal safety and quality
10 standards adequate to insure that the
11 compounding could be performed without
12 putting patients at undue risk. And we could
13 partner with states who are willing to take
14 on responsibility of overseeing non-
15 traditional compounding activities within
16 their states, and if they can demonstrate
17 their ability to protect the citizens of
18 other states through effective oversight.

19 Certain types of products,
20 because of the higher risk they present,
21 could not be compounded at all in the schema,
22 and these could only be made by facilities

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1 willing and able to adhere to the full range
2 of controls and practices required of drug
3 manufacturers.

4 We believe that this three-tiered
5 approach would appropriately balance
6 legitimate compounding that meets a genuine
7 medical need with the reality that compounded
8 drugs pose greater risks than products that
9 are evaluated by FDA for safety and efficacy,
10 and subject to manufacturing control to
11 insure consistently high quality.

12 Since the outbreak, FDA has
13 engaged a variety of stakeholders, pharmacy
14 groups, patient consumer groups, hospital
15 associations and health care networks,
16 professional groups and specialty societies
17 to get their views about pharmacy
18 compounding. We've spoken with over 50
19 different organizations and have heard a wide
20 spectrum of views on this matter.

21 Today it was the states' turn,
22 and I think that we've been doing a pretty

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1 deep dive. Representatives from the offices
2 of the governors, State Departments of Health
3 and the State Boards of Pharmacy came
4 together this morning and then split up into
5 breakout sessions, as I mentioned, to provide
6 more background on the nature and role of
7 compounding pharmacies in their various
8 states, how these pharmacies are regulated,
9 and to discuss four questions that get to the
10 heart of the federal and state role.

11 Many of us at the FDA had a
12 chance to circulate from room to room to
13 listen in on these discussions, and I think
14 everyone was impressed with the level of
15 energy and engagement. Important issues were
16 raised that we certainly need to address.

17 We heard some things that I think
18 we can act on quickly, and we heard some
19 things that are more complex, will require
20 more discussion, and certainly underscore the
21 important role that new legislation can play.
22 But, for example, one of the things that we

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1 heard consistently and clearly is the need
2 for greater communication, back and forth
3 communication, more openness, transparency.
4 And I think that we really have a lot of
5 opportunity to address that starting today
6 and the need to work on a local, regional,
7 and national basis as we engage and work to
8 address our day to day challenges, and to
9 make sure that we have systems in place to
10 prevent the kind of tragedy of the recent
11 meningitis outbreak.

12 We recognize that today's crowded
13 agenda did not leave us time for a more open
14 public meeting and a chance to hear from the
15 public, but I do want to emphasize that we
16 are eager for input from any and all who want
17 to share their perspectives, experiences, and
18 ideas on this critical issues of pharmacy
19 compounding practice, so we urge you to
20 submit your written comments to us. We have
21 opened a formal docket, and that will be
22 closing on January 18th.

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1 Today's intergovernmental meeting
2 was not about achieving consensus. We don't
3 expect that we will leave here today with
4 absolute answers and final solutions, but
5 rather our goal was to really deepen our
6 understandings of the issues before us, and
7 about the beginning of a new committed
8 partnership to chart a path forward.

9 What we wanted and I think got
10 was a robust discussion on options for better
11 safeguarding the health of the American
12 people, a discussion that was really focused
13 on learning from experience but looking
14 forward with a goal of how best to close the
15 gaps in the current system, and how best to
16 serve the people of this nation.

17 Protecting Americans from unsafe
18 and contaminated drugs is not just an
19 important responsibility of the FDA, it goes
20 to our very most central and core mission.
21 And to best fulfill that mission we must have
22 proactive systems in place to identify when

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1 there are inappropriate practices that may
2 put products and people at risk. We must have
3 the tools to act before they result in actual
4 harm, and when necessary to intervene to
5 limit damage and prevent future problems.

6 Compounding pharmacies have
7 presented particular challenges but we can
8 and must address them. And we must do it
9 together. Certainly for us at the FDA, we
10 recognize that we can do the most effective
11 work when we do it in partnership. This is a
12 shared responsibility. The states are
13 obviously in the front lines of so much of
14 this activity, and the opportunity to really
15 strengthen, deepen, and extend our working
16 relationship to clarify important issues that
17 matter to our ability to serve the American
18 people, and to work together to really
19 identify what more needs to be done as we
20 pursue this critical goal of creating a
21 comprehensive, integrated, and strong safety
22 net that will assure and support quality of

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1 the products that the American people rely on
2 and trust.

3 So, thank you very much. Let's
4 get to the next part of our session.

5 MODERATOR MARCHAND: Thank you
6 very much, Dr. Hamburg. I know it's been a
7 very active day for the states'
8 representatives. They've been exchanging
9 ideas and have had a lot of discussion
10 specifically focusing on the four questions
11 that we put forward in the Federal Register
12 Notice announcing the public meeting, so,
13 we're very interested in hearing the
14 comments. But before we begin, I'd like to
15 introduce our FDA listening panel.

16 To the left of Dr. Hamburg is
17 Bernadette Dunham who's the Director for the
18 Center for Veterinary Medicine. To her left,
19 Ellen Morrison who is the acting Assistant
20 Commissioner for Field Operations in the
21 Office of Regulatory Affairs. To her left is
22 Howard Sklamberg, who's the Deputy Associate

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1 Commissioner for Regulatory Affairs. To his
2 left, Peter Beckerman, the Senior Policy
3 Advisory in the Office of Policy in the
4 Office of the Commissioner, followed by Jane
5 Axelrad, the Associate Director for Policy
6 and Director for the Office of Regulatory
7 Policy, Center for Drug Evaluation and
8 Research. And Ilisa Bernstein who's the
9 Acting Director for the Office of Compliance
10 in the Center for Drug Evaluation and
11 Research. So, let's begin to hear our working
12 groups.

13 If we can, James can switch to
14 our slide that shows our Discussion Topic 1,
15 that is given the existing authorities and
16 resources are states currently able to
17 provide the needed oversight for pharmacy
18 compounding and consumer protection? And
19 we'll begin to hear from three different
20 regions. Each of the individuals are
21 representing their individual state, but as
22 we worked in working groups by region and in

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1 order to hear from a broad range of different
2 perspectives we'll have in response to this
3 discussion topic three regions giving an
4 overall summary to this topic. And with that,
5 I'd like to start with the Southwest Region,
6 John Kirtley from Arkansas.

7 DR. KIRTLEY: Thank you. My name
8 is John Clay Kirtley. I'm the Executive
9 Director of the Arkansas State Board of
10 Pharmacy. I just want to start out by
11 thanking Dr. Hamburg and for our colleagues
12 at FDA for having us all here today. I think
13 it's quite a feat to get 50 states in this
14 area all at once a week before Christmas, and
15 I think we've had a lot of good interaction.

16 Just tying into this question for
17 the Southwest region specifically, we've
18 already highlighted the fact that this is not
19 necessarily consensus document for all of us,
20 but it indicates a lot of points. I think the
21 first thing that we would like to recognize
22 is that we're all here due to in large part

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1 drug shortages and the need for outsourcing
2 and finding alternative means to treat out
3 patients. It's something that when our boards
4 discussed it, we all are struggling with some
5 clarity on definitions. We hear a lot of
6 terms that are used by different people as
7 professional jargon, whether it's traditional
8 compounding, non-traditional compounding,
9 manufacturing, outsourcing. We have all these
10 definitions, and I think we really do need to
11 work towards consensus statements,
12 potentially even from the federal authorities
13 of what exactly the terms mean, and how they
14 are defined so we all know how to interpret
15 them.

16 The next thing is we're asked if
17 we're comfortable with what's happening, and
18 if we can handle oversight of this. And I
19 think that the states in the Southwest region
20 were very comfortable with what may be going
21 on in our own states, but then you have a
22 point of concern. We know what happens in

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1 pharmacies in Arkansas. We don't necessarily
2 know about what is happening to specific
3 pharmacies in other states that ship into our
4 state. So, when we look at that compounding,
5 when you define it as a patient-specific
6 prescription, we have the resources, we have
7 the ability to go in and look at all of
8 pharmacies, and all of the states in this
9 region believe so.

10 Where it gets sticky and where
11 there's a little bit of discord is when you
12 get beyond that definition, when
13 prescriptions that are compounded cross state
14 lines, first of all, or when they're -- you
15 have anticipatory compounding of some sort
16 that is outsourced to another facility and
17 crosses state lines, and there's some
18 discussion that there may be some more
19 oversight for that type of setup.

20 Some believe that in our own
21 states whatever the compounding is, whether
22 it's for a specific patient, whether it's

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1 outsourcing for a hospital prescriber, office
2 doc, we're completely comfortable because,
3 once again, it's our state, it's our
4 oversight and we're in those pharmacies.

5 However, there's been some
6 discussion that large volumes that are not
7 produced pursuant to prescriptions that cross
8 state lines, that there ought to be FDA
9 oversight on that and we recognize it.

10 Other types of compounding is a
11 concern. During this meeting and most of the
12 focus on this whole topic has been about
13 pharmacies and pharmacists, and whether it is
14 a traditional or non-traditional practice, or
15 manufacturing. You know, there's a whole
16 other arm of this when we start talking about
17 compounding in prescriber offices,
18 prescribing in clinics, or how compounding
19 happens in hospitals, so when we're talking
20 about regulatory oversight and people meeting
21 specific criteria, those criteria are defined
22 fairly well by a lot of states. They are

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1 defined very well by what volume you're
2 doing, or whether it crosses state lines or
3 not.

4 For us, we would require
5 sterility, pyrogen, and potency testing for
6 certain batch sizes, but in some facilities
7 if you stay and you just do something for
8 immediate use or for fairly quick use for a
9 specific patient it may not have the same
10 scrutiny.

11 This region, the Southwest, feels
12 it can provide oversight of pharmacy
13 compounding because we have on the ground
14 knowledge and the resources to provide these
15 services. We have many times autonomous
16 boards where we have our own funding source
17 from the licensees, we have our own staff
18 that we don't share with other people, and we
19 don't have to, and we can do our own
20 investigation and our own inspection
21 activities. With this, we have responsibility
22 and oversight authority on both the business

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1 side and on the individuals, so if there's a
2 bad actor business we can take action on the
3 business. If there's a bad actor pharmacist
4 or pharmacy staff person, we often have the
5 ability to take action on them, as well.

6 With this, we also often have the
7 strength in having professional staff that
8 are pharmacists with years of experience and
9 additional training in these specific areas,
10 and that's something that gives us a good bit
11 of comfort. So, I think that wraps up the
12 Southwest region. I'll try to not be
13 repetitive and give these guys some answers,
14 as well.

15 MR. CAMPBELL: Hi, I'm Jay
16 Campbell, the Executive Director of the North
17 Carolina Board of Pharmacy, and I'm going to
18 address the same issues John did coming at it
19 from the perspective of those states that
20 were -- we were grouped together for the
21 Southeast. I echo with John that these
22 questions aren't necessarily amendable to

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1 consensus answers from all the states, but we
2 have attempted to coalesce the responses into
3 their principal themes.

4 To try to pick up a little bit
5 and not be unduly repetitive of what John
6 said, one of the questions I think you have
7 to ask, and all states do ask with respect to
8 the ability to regulate pharmacy practice
9 within their states, whether it's
10 compounding, or whether it's not compounding,
11 is the structure of the Board of Pharmacy and
12 the resources available to the Board of
13 Pharmacy; are they sufficient to do that?

14 The feeling among Southeastern
15 states was that the answer to that is
16 generally yes. John pointed out that
17 structurally Boards of Pharmacies differ from
18 state to state, and some states, as in North
19 Carolina, we are largely an independent
20 agency with our own independent funding
21 source, and our own independent ability to
22 hire or dismiss, as the case may be,

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1 inspectors and investigators. And we are
2 adequately staffed to have a constant source
3 in the field, on the ground, in the
4 pharmacies enforcing standards and
5 proactively identifying potential problem
6 pharmacies. And states within the Southeast
7 felt like that by and large they have the
8 resources to do that; although, some did
9 point out that state governments generally in
10 this country are dealing with revenue
11 challenges, and vigilance on the part of
12 State Boards of Pharmacy is important to
13 maintain those sufficient resources, as is
14 perhaps more importantly a recognition by
15 state legislatures that Boards of Pharmacy
16 must be adequately funded and resourced to
17 protect the public health and safety and not
18 simply be viewed as a vehicle for providing a
19 revenue stream to a general fund. Again, in
20 the Southeast our feeling was that our state
21 governments by and large recognize the public
22 health mission of the boards and have

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1 structured and funded us to handle those
2 missions.

3 I share with John is that I think
4 we all classically think we feel great about
5 what we do in our state, but gosh, we don't
6 know what those other guys are doing. And
7 that is a challenge. Sometimes it's well
8 founded, sometimes it's not well founded, and
9 some of the issues we discussed in terms of
10 operating among the states, so that's -- I'm
11 addressing interstate, not between the states
12 and the federal government.

13 I think there was a feeling that
14 states can and should do a better job of at
15 least establishing relatively uniform minimum
16 standards for compounding and, in particular,
17 sterile compounding. USP 795 and 797
18 standards are the ones most commonly bandied
19 about, and those -- and in addition to
20 thinking that there perhaps ought to be
21 minimum standards that are relatively
22 uniform, that there also be adequate training

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1 available to state investigators that provide
2 what all states would deem as a comfortable,
3 healthy level of confidence and experience so
4 that, for example, in North Carolina if I
5 have a pharmacy licensed in Arkansas, I'm
6 very comfortable as I am, I'm very
7 comfortable knowing that their standards and
8 the quality of their investigators and
9 inspectors are such that I can take comfort
10 when they seek a permit in North Carolina.

11 The other thing we discussed is
12 that the states -- we need to continue to
13 work on our ability to share information
14 among each other on either pharmacies or
15 pharmacists that have proven to be problem
16 pharmacies or pharmacists, or pharmacies or
17 pharmacists that we think are trending toward
18 being a problem and taking appropriate
19 proactive measures.

20 With respect to pharmacists
21 around the United States, there are very good
22 existing database sharing mechanisms which my

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1 board any other Board of Pharmacy any time an
2 individual pharmacists seeks licensure in our
3 states, we can tap into a database
4 administered by the National Association of
5 Boards of Pharmacy and get a complete
6 disciplinary history on that pharmacist, so
7 we know what it is we're getting, and whether
8 there are red flags that we need to be aware
9 of.

10 With respect to pharmacies, those
11 same sorts of databases as of this date are
12 not -- don't exist. And I think we all agree
13 that we would like to, and I can report that
14 through the National Association of Boards of
15 Pharmacies we are now implementing a similar
16 system such that if a pharmacy in Cody's
17 State of Minnesota is applying for an out-of-
18 state permit in North Carolina, we have a
19 ready source to identify for us any
20 disciplinary action that's been taken by any
21 other State Board of Pharmacy, or against
22 that pharmacy or its affiliated pharmacists,

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1 and let that guide our decision making.

2 I will discuss the note with the
3 next Topic 3, that when it comes to us, how
4 we'd like to see some of that same
5 information or actually all of that same
6 information sharing coming from the FDA into
7 a similar system.

8 So, we have things among the
9 states that we can improve in terms of
10 information sharing and some standardization
11 of requirements, and I feel quite good that
12 those processes either are in place or
13 they're in process.

14 DR. WIBERG: And I'm Cody Wiberg,
15 the Executive Director of the Minnesota Board
16 of Pharmacy. And first, I'd also like to
17 thank the FDA for hosting these meetings
18 today. I think it's very critical for the
19 federal and state governments to work very
20 closely on this very difficult issue, an
21 issue that is quite a bit more difficult to
22 address than some might imagine because

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1 there's really a number of sub-issues, if you
2 will, that are interlocked, and taking
3 actions in one area may have an adverse
4 effect in what happens in these other areas.

5 Now, this first discussion topic
6 talks about whether or not given existing
7 authorities and resources the states
8 currently can provide needed oversight of
9 pharmacy compounding. And I think that's one
10 of the first things that you need to discuss,
11 is what's the definition of pharmacy
12 compounding. And many of the discussions that
13 we had in the regional group I participated
14 in today really centered around those issues
15 of definition.

16 What is the definition of
17 compounding? What is the definition of
18 manufacturing? Should -- what facilities like
19 the New England Compounding Center, should
20 the activities they were engaged in be
21 classified as non-traditional compounding, or
22 non-traditional manufacturing? And you'll

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1 find that the states have differing laws and
2 rules that regulate the practices of
3 compounding and manufacturing.

4 I think that in most of the
5 states in the region that I was in,
6 compounding is something that's done pursuant
7 to a prescription for an individual patient.
8 Just about anything else is manufacturing. It
9 doesn't necessarily mean that the
10 manufacturing processes that are used under
11 the definition we use for manufacturing are
12 necessarily wrong. There is a need for a --
13 what in our state would be a non-traditional
14 manufacturing process to provide for certain
15 drugs in certain situations.

16 So, I guess, however, when our
17 group looked at this question we were looking
18 at it in terms of do the states have the
19 ability right now to provide oversight, if
20 you considered what an entity like NECC was
21 doing to actually be compounding. And I think
22 the answer to that question is it depends on

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1 the state.

2 There are some states that do
3 have the necessary authority to act when they
4 need to, and they have the necessary
5 resources. Although, I will say that in most
6 states, as Jay mentioned, over the last
7 decade there's been a constant budget issue,
8 and there's been a constant fight to maintain
9 our resources, to maintain our staffing, to
10 maintain our appropriations, but there are
11 some states that do have the necessary
12 authority, and the resources to provide
13 adequate oversight not of just what we would
14 call traditional compounding in Minnesota,
15 but also the sort of activities that NECC was
16 doing that we would call manufacturing. But
17 there are other states that probably don't.

18 One of the things that is
19 mentioned that we talk about at the District
20 and National meetings of the National
21 Association of Board of Pharmacy is how some
22 states don't really always have the resources

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1 that they need to regulate the practice of
2 pharmacy.

3 Some states have, like Minnesota,
4 have inspectors who are licensed pharmacists,
5 who have training and expertise in
6 compounding. Other states don't do routine
7 inspections at all, but only inspect
8 pharmacies as a result of complaint
9 investigations. Their inspectors may not
10 actually be pharmacists, they may have to
11 actually contract with someone else to do
12 their complaint investigations, or get a
13 pharmacist involved in their complaint
14 investigations.

15 In some states, the Board of
16 Pharmacy will regulate not only pharmacies
17 but manufacturers and wholesalers. In other
18 states, the Board of Pharmacy might regulate
19 pharmacies but a different agency might
20 regulate manufacturers.

21 When you're talking about the
22 sort of activities that NECC was involved in,

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1 it becomes crucial who regulates pharmacy
2 versus who regulates manufacturers because
3 that sort of activity has features of
4 compounding, and it has features of
5 manufacturing.

6 And I think to echo from my
7 colleagues who've talked about it here, is
8 just about every state, not all of them I
9 found out today, I was surprised, but almost
10 all states regulate non-residential or out-
11 of-state pharmacies, license them. So, if a
12 pharmacy or actually a manufacturer or a
13 wholesaler wants to ship any sort of drug
14 product in Minnesota, into Minnesota they
15 need to be licensed by the Minnesota Board of
16 Pharmacy. And up until now, we pretty much
17 depended on the other states to regulate
18 them, the states in which they're located.
19 So, that is a potential issue; is if, in
20 fact, there are states that don't have
21 sufficient funding, don't have the resources
22 necessary to regulate facilities in their

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1 state, that can have an impact on every state
2 that licenses their facilities.

3 So, the answer to this question I
4 think is -- again, it really depends on what
5 you're talking about. I think if you're
6 talking about traditional compounding
7 pursuant to a prescription that's done in --
8 actually in Minnesota at least, in just
9 about every pharmacy does some degree of
10 traditional compounding, I think most states
11 definitely have the authority and resources
12 to handle that. If you're talking about these
13 non-traditional compounding or non-
14 traditional manufacturing activities in
15 facilities like NECC, fewer states may have
16 the resources to do that. And I do think, and
17 I think the consensus in our group was in the
18 latter case in facilities like NECC, there is
19 a role for the FDA to be involved.

20 MODERATOR MARCHAND: Thank you.
21 We'll now open it to questions or points of
22 clarification for the FDA panel. Bernadette.

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1 DR. DUNHAM: Yes, thank you very
2 much. And, again, I want to thank Dr. Hamburg
3 and everybody for participating. This has
4 been an incredible event, and the
5 contribution by everybody is really
6 appreciated and needed.

7 Just a follow-up for veterinary
8 medicine, it's true many times the
9 pharmacists are, in fact, compounding for
10 both animal or human. And I was just curious
11 as you just mentioned a minute ago the
12 differences that exist between the states. Is
13 this something that there is a lot of
14 difference between pharmacists handling
15 compounding for veterinary products versus
16 human? Because we have had some situations
17 where, in fact, a compounding pharmacy has
18 made both, and both have had problems, which
19 then is very critical. Thank you.

20 DR. WIBERG: I can probably answer
21 that, and my colleagues might want to chime
22 in, as well.

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1 There is different -- there are
2 differences between states. So, for example,
3 in Minnesota in terms of our statutes and
4 rules, compounding is something that's one
5 pursuant a prescription for an individual
6 patient, and it's done in a patient
7 practitioner pharmacist triad. I guess it's a
8 quadrangle when we're talking about
9 veterinary medicine because now we have
10 patients and clients, and veterinarians, and
11 pharmacists. But in Minnesota, there would be
12 no compounding for office use. It's not
13 allowed. However, in other states it is.
14 There are states that will allow, for
15 example, perhaps up to 5 percent of the
16 compounding that's done in the pharmacy to be
17 for office use.

18 Now, when I talk about this it's,
19 again, recognizing our definitions in our
20 state statutes that distinguish between
21 compounding and manufacturing. It's not that
22 the pharmacy can't necessarily prepare a

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1 product that's going to be end up being used
2 in the office of a veterinarian, but we would
3 require them to be licensed with us as a
4 manufacturer if they're located in the state.
5 And if they're located in another state we'd
6 require them to be licensed by that state as
7 the manufacturer. And if in any situation
8 where we think someone may need to be
9 registered by the FDA, we will say you need
10 to be registered with the FDA or you need to
11 produce a letter from the FDA that tells us
12 why you don't need to be registered. So, it
13 can be done in Minnesota but it's not going
14 to be done under a pharmacy license because a
15 pharmacy license in Minnesota is only going
16 to allow you to compound patient-specific.
17 But, again, and any of the other states can
18 talk about this that may do things
19 differently, in other states a pharmacy,
20 based just on its pharmacy license can
21 compound for office use without having a
22 prescription for a specific patient.

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1 MODERATOR MARCHAND: And could I
2 just remind folks to speak into their
3 microphones and speak loudly?

4 DR. KIRTLEY: John Kirtley once
5 again. I'm usually known for being loud,
6 unfortunately.

7 It's interesting because we
8 didn't discuss this necessarily with our
9 region, but for the State of Arkansas, we
10 have often made the point that if you have a
11 quality standard to produce a human drug, we
12 do not differentiate that you have any less
13 of a standard to create a drug for an animal.
14 So, if you are getting something that is
15 compounded for your horse, your dog, your
16 cows, whatever it is, you know, we expect it
17 to reach the same quality standard as if you
18 were giving it for yourself, your
19 grandmother, your child. So, we feel fairly
20 strongly about that, and we do not expect
21 anyone to cut corners. It's something that we
22 routinely inspect on. And, once again, we go

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1 back to this issue of sterility, pyrogen, and
2 potency testing. I don't want your animal
3 getting something that hasn't been proven to
4 be sterile, pyrogen-free, and hasn't been
5 tested for potency if they're batch producing
6 it, so we have that.

7 MR. CAMPBELL: Back to what John
8 said with respect to North Carolina, there is
9 no difference under North Carolina law for
10 the standards that govern compounding or any
11 practice of pharmacy for that matter when it
12 concerns human patients versus veterinary
13 patients, so, we enforce the same standards,
14 same oversight, same quality controls.

15 A bit on the thin edge of the --
16 thin part of the limb here, I think that
17 there may individual states, whether by
18 statute or by court decision, there have been
19 rulings that a Board of Pharmacy does not
20 have the statutory authority to regulate
21 veterinary products. That is not the case in
22 North Carolina.

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1 Moreover, we're fortunate in
2 North Carolina, at North Carolina State
3 University, and I can't believe as a loyal
4 Tar Heel I'm about to say something nice
5 about NC State, but NC State has a world
6 class veterinary school. And, in fact, the
7 head pharmacist there, Gigi Davidson, is a
8 friend and a constant source of expert
9 advice. So, we have been fortunate not only
10 in our general regulatory efforts to be able
11 to reach out to Gigi for specific advice,
12 both technical and watchdog with respect to
13 veterinary practitioners, whether compounders
14 or non-compounders.

15 And, in fact, Gigi -- we have a
16 Pharmacy Compounding Working Group in North
17 Carolina that is doing the same sort of very
18 deep dive review of how we regulate
19 compounding, and Gigi is a member of that
20 group, so, we are including the veterinary
21 perspective in everything we do.

22 DR. WIBERG: If I could just add

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1 really quickly, I'd echo what my two
2 colleagues said. There's no difference in
3 Minnesota under our -- concerning the
4 standards for compounding. All compounding,
5 true compounding, the way we define it, has
6 to be done by either USP 795 or 797 standards
7 as relevant to the product that's being
8 compounded whether it's for animals or
9 humans.

10 MODERATOR MARCHAND: Dr. Hamburg.

11 COMMISSIONER HAMBURG: Just a
12 quick question because I know we can easily
13 get behind schedule badly. But I was
14 interested, Jay, in your comment about how
15 there is good data sharing about pharmacists
16 through NABP, but that an equivalent doesn't
17 exist for pharmacies. And I was wondering,
18 and it may actually be a question more
19 appropriate to our representative from the
20 National Association of Boards of Pharmacy,
21 but is there any common database about the
22 sort of universe of pharmacies and what kinds

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1 of things they're doing out there? Because
2 that's, of course, one of our challenges that
3 with the current regulatory schema, we don't
4 know who's out there doing what, unless we
5 hear about it through a problem often.

6 MR. CAMPBELL: And let me just
7 clarify, you're asking specifically with
8 respect -- about database with disciplinary
9 actions against pharmacists, or pharmacies,
10 I'm sorry.

11 COMMISSIONER HAMBURG: You raised
12 it in that context, but it made me think is
13 there any kind of shared database for the
14 nation that --

15 MR. CAMPBELL: Yes. The answer to
16 that is yes, and all Boards of Pharmacy are
17 required to report any disciplinary action we
18 take against any licensee, permittee or
19 registrant to something called the National
20 Practitioner Database, which is a federal
21 database. So, if you guys don't have access
22 to that, I don't know why not, but --

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1 COMMISSIONER HAMBURG: But I meant
2 a compilation of pharmacies, not necessarily
3 related to problems but just in terms of what
4 they are --

5 MR. CAMPBELL: Oh, a uniform
6 national list of here's every pharmacy in the
7 United States, and what -- no, I'm not aware
8 of that.

9 COMMISSIONER HAMBURG: I mean, you
10 don't submit to any --

11 MR. CAMPBELL: I'm not aware that
12 that exists anywhere.

13 COMMISSIONER HAMBURG: That's why
14 I'm saying, it -- I mean, that might have
15 some utility in mapping the universe, but it
16 might also be highly complex. I just wondered
17 if --

18 MR. CAMPBELL: I'll reserve
19 judgment on that.

20 COMMISSIONER HAMBURG: It made me
21 think, you know, does such a thing exist
22 already, because we are struggling with not

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1 even knowing how many pharmacies are out
2 there that might fit into different
3 categories in terms of their practices.

4 MR. CAMPBELL: Well, and Dr.
5 Hamburg, that -- obviously, each of us here,
6 each of us from a Board of Pharmacy have been
7 responding to a number of information
8 requests for Congressional Committees that
9 are looking into -- and we all -- of course,
10 each state, we have databases of who our
11 licensees, who our permittees are, and to
12 greater and lesser granularity depending on
13 what the particular database is, what their
14 specific practices are. So, I think on a
15 state by state basis, you can get a very good
16 indicator of who the -- certainly, who the
17 pharmacies are with greater or lesser
18 specificity, depending on the particular
19 database of what those pharmacies do. But it
20 raises the same issue that's been at the
21 forefront today, is well, how do you define
22 that? It's easy -- for example, the House

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1 Energy and Commerce Committee to say how many
2 compounding pharmacies exist in your state?
3 Well, at some level the answer to that
4 question is every pharmacy in the state is a
5 compounding pharmacy because every pharmacy
6 will engage in some level of compounding. I
7 think the issue becomes if we are looking at
8 defining some sort of specialty or whatever
9 it is, depending on what that definition is,
10 the databases are easily refined to capture
11 that data. And I'm quite certain that going
12 forward, depending on what happens with
13 federal efforts, or even at the state level
14 in terms of redefinition or specific
15 definition of categories of pharmacy, I think
16 you're going to see more granularity in those
17 databases immediately.

18 DR. WIBERG: If I could add one
19 thing, as well. Part of NABP's action plan
20 that it developed to address this issue
21 involves extending a license transfer process
22 that we now have for pharmacists. So, Jay's

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1 talking about the disciplinary database and
2 having that information.

3 Currently, if a pharmacist wants
4 to transfer their license to another state,
5 they go through NABP. And NABP does some
6 background checks, and sends information on
7 to the State Boards of Pharmacy, and then we
8 make decisions about whether or not the
9 person should be licensed.

10 Well, NABP is talking now about
11 extending that to pharmacies, as well. And
12 you would have to ask Carmen Catizone, the
13 NABP representative about the details. I
14 think this may still be being fleshed out,
15 but how I would envision that working, if it
16 works the way it does for pharmacists, is if
17 a pharmacy in North Carolina wanted to be
18 licensed in Minnesota, they would apply
19 through NABP, provide them with information,
20 NABP will be keeping information on any
21 adverse reactions that states have taken
22 against pharmacies. They'll look at, and then

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1 they'll provide information to me, as the
2 Executive Director for Minnesota about this
3 pharmacy in North Carolina so we can make a
4 more informed decision as to whether or not
5 we ought to license them.

6 I think if we get to that point,
7 we would be moving closer to having some --
8 potentially, some sort of a national
9 database. However, it may still not include
10 all pharmacies because not all pharmacies in
11 the state are going to want to ship into
12 another state, so they may never go through
13 this license reciprocity process.

14 MR. CAMPBELL: Part of the
15 conversation we've had is that business
16 permits are not necessarily ongoing and
17 living. They come and they go, but many
18 states have specific regulations, I believe
19 all of us do, that someone is responsible for
20 what happens in that facility. So, going into
21 the professional who is responsible when the
22 breakdown happened, many boards take action

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1 individually on the pharmacist because if
2 they have been responsible for something that
3 has happened inappropriately, then that
4 action is reported to the national database,
5 and would be there ongoing. Wherever their
6 career takes them, that is part of their
7 licensure history, so in many it's
8 potentially a better approach to be sure that
9 it is in the system because you don't want
10 that person to have the same thing happen at
11 the next facility, where the facility just
12 simply goes away, something else similar
13 rises from the ashes and has a new name.

14 MODERATOR MARCHAND: Thank you
15 very much. Are there any other points from
16 the FDA panel? If not, I think to keep on our
17 schedule we'll move to our second discussion
18 topic. It's what should the federal role be
19 in regulating higher-risk pharmacy
20 compounding, such as compounding high volumes
21 of drugs for interstate distribution? And the
22 state representatives are on the other side

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1 of the FDA panel, and we'd like to begin with
2 Central Region II. If you'd introduce
3 yourself and tell us your affiliation.

4 DR. YI: Good afternoon,
5 everybody. My name is Asa Yi. I'm a
6 pharmacist with the New Jersey Department of
7 Health. I just want to summarize our
8 discussion group findings on Discussion
9 Topic 2.

10 In order to answer this question
11 effectively, we felt that really we need
12 definitions of what compounding is, what
13 manufacturing is, and what repackaging is
14 because there's a lot of gray area without
15 those definitions, and hopefully the
16 definitions will clarify and will bring to
17 light the gray area.

18 As far as compounding not
19 pursuant to a prescription, we felt that if
20 it's not pursuant to a prescription that it
21 should be considered manufacturing. And if it
22 is considered manufacturing then there should

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1 be federal oversight with federal
2 regulations, and some sort of standard that
3 the states could go by, unless it narrowly
4 meets a federally defined allowance for
5 office use, and an example of that would be
6 nuclear pharmacies preparing diagnostic
7 agents.

8 With regards to anticipatory
9 compounding, we found there is variability
10 amongst the states. Some states allowed it,
11 some states didn't. The regulations and
12 statutes for different states were different,
13 so we felt that again if it's dispensed
14 without a prescription, then it has to be
15 manufacturing with federal oversight. Thank
16 you.

17 MR. MOKHIBER: Good afternoon. I'm
18 Lawrence Mokhiber, and I'm the Executive
19 Secretary of the New York State Board of
20 Pharmacy. I want to echo my comments and
21 thanks to the FDA for pulling this group
22 together. I have rarely experienced such a

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1 commitment, such energy, such compassion, and
2 such dedication that I saw in our working
3 group this morning, and it was really fun to
4 be there and to participate in.

5 I think a couple of points. You
6 know, the Boards of Pharmacy exist to protect
7 the public, and that's to make sure that the
8 drugs are safe and effective. But it also is
9 to make sure that patients have access to
10 them, so a lot of our conversation talked
11 about the whole issue of drug shortages, and
12 what we can do to fix the system for a 21st
13 century solution, and not try to apply
14 unnecessarily 19th and 20th century concepts.
15 So, I think we're all committed to finding
16 new definitions. You're going to hear certain
17 themes for every question and every response,
18 and definition is one of those constant
19 themes.

20 I also agree and was appreciative
21 of the comments of the Commissioner on the
22 importance of not confusing the public and

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1 what is traditional compounding, which often
2 is sterile or non-sterile, and serves the
3 needs of patients for specific drugs at
4 specific times, and specific formulations.
5 And that is part of the rich history and
6 tradition of pharmacy, and I think it will
7 continue.

8 Our group looked very carefully
9 at these issues, and trying to answer the
10 question, and the short answer is there is a
11 federal role in the regulation of these
12 entities, but the role varies with the
13 definition. And part of the definitions we
14 also felt needed to be had is the definition
15 of low risk, and high risk, and not
16 necessarily with volume, but those are
17 factors. Certainly, interstate commerce is
18 part one of the definitions that we'll have
19 to look at.

20 We also focused, as you'll hear
21 time and time again regardless of which group
22 or which question, is the need for better

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1 communication from all of us. And as our
2 colleagues made sure I would say, it's
3 bidirectional communication. We need to make
4 sure we communicate to the FDA, and the FDA
5 to us, and then amongst ourselves. And I
6 appreciate my colleagues' conversation
7 earlier on NABP. NABP is an exceptional
8 informational tool between and among the
9 Boards of Pharmacy.

10 We also talked significantly
11 about training and education of staff at the
12 state level, FDA support, joint inspections,
13 joint commissioning so that -- I happen to be
14 a Commissioner with the FDA. We want to make
15 sure that that commissioning process
16 continues to be quick and agile, and
17 effective so that we can share information in
18 a timely fashion. If there is an untoward
19 finding somewhere, states individually need
20 to hear about it as quickly as possible,
21 especially if those firms are located in our
22 jurisdiction. We talked about perhaps two-day

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1 training sessions, intense training sessions
2 for patient, excuse me, for personnel who
3 will be engaged in a specialty area of
4 compounding sterile products. And we talked
5 also about the whole issue of what is --
6 defining what is a manufacturer. Some of the
7 confusion that exists in the public and
8 within the profession, as well, and with
9 physicians and other health practitioners is
10 what is a manufacturer, what constitutes
11 being a manufacturer? Some firms, small,
12 large, good, bad, doesn't matter have been
13 running around saying we're FDA registered
14 manufacturers, and the implication of that is
15 not always known, so we've suggested that
16 that is a -- perhaps, at least from our
17 perspective, one of the low hanging fruits
18 that could be addressed in the short term.
19 Thank you.

20 MR. JOHNSTON: Mark Johnston,
21 Executive Director of the Idaho Board of
22 Pharmacy. Before I answer this question, I

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1 can't help myself but to weigh in on some of
2 the questions of the FDA panel just briefly.

3 My colleagues explained that
4 there is no difference in the law between
5 pharmacy compounding of a veterinarian or
6 human use product. However, Boards of
7 Pharmacy rarely, if ever, have reach into a
8 veterinarian's office for veterinarian
9 compounding, or for that matter physician or
10 practitioner compounding which is by and
11 large an unregulated field.

12 I also wanted to mention that as
13 far as national databases, that NABP is
14 embarking upon an inspection of all sterile
15 compounding pharmacies that are distributing
16 across state lines under the authorization of
17 the Iowa Board of Pharmacy. It's a project
18 that's expected to be completed by the spring
19 of 2013, and all information will be loaded
20 into a national database for everyone to use.

21 Now, I'll move on to answering
22 the question at hand. The federal

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1 government's role should be to establish a
2 federal definition of manufacturing that
3 withstands judicial review. That last part is
4 important. And the federal government should
5 regulate manufacturing, including shortages,
6 and the state should regulate compounding.

7 While our group was not entirely
8 comfortable with the term "non-traditional
9 compounding," defining the exceptions to the
10 definitions of compounding or manufacturing,
11 in essence, will be the definition of non-
12 traditional compounding. And these exceptions
13 may address topics such as compounding for
14 office use, dispensing across state lines,
15 not distribution across state lines, which is
16 clearly manufacturing, quantity limits,
17 sterile repackaging, high-risk sterile
18 compounding, and the compounding of
19 anticipatory quantities. These defined
20 exceptions will determine federal, state, or
21 shared enforcement.

22 MODERATOR MARCHAND: Thank you.

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1 With that, I'll open to the FDA panel to ask
2 questions or clarify points.

3 MR. BECKERMAN: So, I think we're
4 hearing loud and clear that the definitions
5 are incredibly important, and clarity is
6 incredibly important, clarity of role,
7 clarity of what terms mean. But it strikes me
8 that there is a tension between clarity and
9 some of the issues that you all raised in
10 terms of defining exceptions, whether you
11 call it non-traditional compounding or some
12 sort of special manufacturing. I don't really
13 care about the terminology, but if you want
14 to put in multiple factors, things like
15 anticipatory quantities, whether a product is
16 high risk, whether it's dispensed across
17 state lines, whether it's for office use, at
18 some level all of those factors seem to weigh
19 against sort of bright line clarity in the
20 statute. And I'm wondering if you could
21 address any ideas you might have for how to
22 achieve both clarity and nuance, because

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1 nuance is called for here. After all, a
2 number of these products we're hearing from
3 hospitals are commonly used and are widely
4 used, and are necessary for procedures, heart
5 procedures, cardioplegia solutions, and we
6 don't want to do anything to get in the way
7 of production of those products. So, I think
8 there's a tension between clarity and nuance,
9 and if we draw bright lines you may have
10 people falling on one side of the line that
11 could have adverse effects on the health
12 system, and I wanted to see if you could
13 address that.

14 MR. JOHNSTON: Our facilitator
15 kept pushing our group to define the
16 exceptions. That's a very difficult task.
17 That is, I think, the most important task at
18 hand. While I don't have an exact answer, and
19 while I'm not speaking for the group as a
20 whole because there was some disagreement, I
21 believe that there's too much focus on
22 compounding, and there should be more of a

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1 focus on what happens to the compounded
2 product. Is it dispensed pursuant to a
3 patient-specific prescription, or is it
4 distributed in the absence of a patient-
5 specific prescription?

6 Personally, I'm not as concerned
7 with volume, with anticipatory quantities
8 based on history of real life prescription
9 drug orders. I'm more concerned with
10 distribution versus dispensing. And if we
11 limit the conversation to that, I think it
12 does become easier to identify the
13 exceptions.

14 MODERATOR MARCHAND: Others? Yes.

15 DR. KIRTLEY: I think, and this is
16 a conversation that many of us have had, it's
17 something where when you start trying to
18 figure out what the specific exceptions are,
19 it's very difficult. That's why you have
20 several people in this room that are talking
21 about you should have a standard on how it is
22 prepared. I don't care if it's prepared for

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1 one person or a thousand people, or you will
2 have this many orders or that many orders,
3 you know, whatever the product is, we need a
4 standard for how it is safely prepared, how
5 you know that it is something that is labeled
6 accurately, that it is sterile, that it is
7 pyrogen-free, it's of labeled potency, and
8 then whatever happens with the product, if
9 the product is safe, then your problems of
10 everything else happen on down the line. So,
11 I think that's whether you're talking about
12 795, 797, federal oversight on it, states
13 coming to a common minimal standard, whatever
14 that is.

15 MR. CAMPBELL: I just wanted to
16 applaud you for asking that question, because
17 I do think -- that is the very essence of
18 regulation. Right? As regulators in the
19 public, we think surely there are these
20 bright lines, and it's certainly easy to
21 stand at a distance and ask why can't there
22 be a bright line. And as you brought -- there

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1 is a lot of nuance here. And that nuance ties
2 into patient access. And I think -- I hope
3 that we won't get too bogged down, as I
4 mentioned in our group, let's not let the
5 perfect get in the way of the good. We're not
6 going to be able to make a distinction that
7 is razor sharp, but I think in the main, the
8 cases that concern us aren't the cases in
9 that gray area.

10 I think no rational person would
11 argue that the activities that NECC engaged
12 in, it was a close call as to whether that
13 was compounding or manufacturing. It's
14 clearly manufacturing under any definition
15 you choose. And I think one of the things we
16 have to recognize that there are going to be
17 the gray areas in the middle no matter how
18 well we write a definition. And I think as
19 we'll discuss on some of the subsequent
20 questions here, I think information sharing
21 and partnering between our state and federal
22 level regulators are going to help us sort

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1 through the harder cases on a case by case
2 basis. That's often not satisfying to people
3 generally and to pharmacists specifically,
4 but I do think inevitably that's got to be a
5 huge part of what we do.

6 MODERATOR MARCHAND: Mr. Mokhiber.

7 MR. MOKHIBER: Yes, I was just
8 going to add that I think it's a fair
9 question, but I think the nuances are going
10 to have to be addressed. For our listeners
11 who are not pharmacists, many of us use the
12 term "high-risk" to talk about trying to
13 make an end product that is sterile, having
14 started with non-sterile chemicals, perhaps
15 properly assayed, perhaps not. That, in my
16 mind as a pharmacist, is significantly
17 different than taking a commercially
18 available sterile product and in a very good,
19 and secure, and sterile environment reducing
20 that to smaller package sizes which, you
21 know, is often the case, and is often the
22 demand we see from our hospitals and other

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1 institutions. So, yes, I don't want to put
2 too many layers before we get to the bright
3 line either, but I think we have to somehow
4 separate, or at least include those in the
5 discussion before we make a final decision.

6 MODERATOR MARCHAND: Yes,
7 Bernadette.

8 DR. DUNHAM: Just a quick
9 question, and that is when you mentioned a
10 minute ago labeling, so --

11 MODERATOR MARCHAND: Could you
12 just speak a little bit louder into the
13 microphone?

14 DR. DUNHAM: What is the comfort
15 level of actually saying this particular
16 product is compounded and putting that on the
17 label? Do you have any views on that?

18 MR. MOKHIBER: What is the comfort
19 level for what?

20 DR. DUNHAM: If you actually put
21 on the label of the compounded product that
22 it was compounded?

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1 MR. MOKHIBER: As a pharmacist, if
2 we were to put that on, that might mean
3 something to other pharmacists and maybe to
4 the physicians who buy it. Would it mean much
5 to the patient who knows they need surgery
6 today and without it, you know, I'm not sure.
7 I think it's more incumbent upon us to put
8 the standards in place and then collectively,
9 the boards and the FDA, enforcing those
10 standards as opposed to labeling, which most
11 people won't really know the subtle
12 distinction, in my opinion. Maybe it's not so
13 subtle, but I don't think most patients will
14 get it. That's my personal opinion.

15 MODERATOR MARCHAND: Mr. Kirtley.

16 DR. KIRTLEY: I was just going to
17 say, I don't believe that most of our
18 pharmacies have any problem putting on that
19 it is compounded. We have pharmacies that
20 have some sort of hybrid registration with
21 FDA and put it on the FDA website even that
22 this is not an approved drug. It is a

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1 compounded drug. So, if you look at the
2 number on the package it has the name of a
3 pharmacy and it links even on a federal
4 website that it is a compounded product. So,
5 we require that if you're compounding
6 something that's for office use, if it's
7 outsourcing for a hospital, that that product
8 cannot be resold. It is either directly to a
9 patient, or to a prescriber or a hospital to
10 be administered in that facility. So, I don't
11 believe we have a problem with telling people
12 it's compounded.

13 MODERATOR MARCHAND: Jane Axelrad.

14 MS. AXELRAD: Yes, I wanted to
15 follow up on the issue of repackaging, which
16 clearly is a large category of activity
17 that's conducted by compounding pharmacies.
18 And I wanted to know how you would feel if we
19 were to simply say repackaging is
20 repackaging, and we don't consider it
21 compounding. And then decide how repackaging
22 would be regulated separate from how we

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1 regulate compounding.

2 MODERATOR MARCHAND: Dr. Hamburg,
3 since you --

4 (Off microphone comment.)

5 MODERATOR MARCHAND: Okay.

6 MR. MOKHIBER: By all means, if
7 you'd prefer. I can't respond for the group
8 completely, although it did come up in our
9 discussion that perhaps that is part of the
10 way out of the dilemma we find ourselves, is
11 to -- just as there are repackaging
12 provisions in the Food, Drug & Cosmetic Act
13 for solid dosage forms, that perhaps there is
14 a middle ground of repackaging for sterile,
15 compounded sterile, or manufactured sterile
16 products into smaller units of use that is
17 distinguishable from other forms of
18 compounding. And perhaps that is an issue to
19 be considered.

20 I think in our group that was an
21 issue that was given some consideration. I
22 can't tell you that we reached consensus, or

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1 that anybody was ready to say that was the --
2 we found the Holy Grail, but I think it was
3 certainly one of our considerations.

4 DR. YI: I would also just caution
5 you with that because if you're talking about
6 repackaging oral dosage forms, the risk is a
7 lot lower than repackaging a sterile
8 injectable product from a larger vial into
9 let's say smaller units, smaller vials, or
10 predrawn syringes, something like that. The
11 risk is higher and greater patient harm could
12 come out of it.

13 MODERATOR MARCHAND: Dr.
14 Bernstein.

15 DR. BERNSTEIN: Thank you. Just to
16 follow-up on Jane's question and some of the
17 issues related to high risk. So, if a
18 facility is doing high-risk and low-risk
19 repackaging, packaging for -- with
20 prescription, can it or should it be both a
21 pharmacy and a manufacturer? Did any of you
22 talk about that in your discussions? And I

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1 say that only because the question -- someone
2 mentioned over here that we need some clarity
3 over what's the state's role, what's the
4 FDA's role, and what's a shared
5 responsibility. And I think we're all talking
6 here that what we really need is greater
7 clarity across the board. And when you get
8 into something that could be both then you're
9 getting more into this kind of gray zone
10 where you lack that clarity. So, can there be
11 such a thing?

12 MODERATOR MARCHAND: Mr. Johnston?

13 MR. JOHNSTON: We did speak to
14 dual registration like that and the fact that
15 it clouds even more. If it's the same
16 facility registered under two different
17 standards, which standards do you enforce?
18 And the group's general consensus was if
19 there's going to be two different licenses
20 there should be two distinct different
21 facilities, while maybe under one roof, two
22 different separate facilities because it

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1 would be impossible to know which set of
2 standards to enforce in what situation.

3 DR. KIRTLEY: I can speak
4 specifically for some pharmacies in Arkansas,
5 not for the Southwestern group, but --

6 MODERATOR MARCHAND: Mr. Kirtley,
7 thank you. Okay.

8 DR. KIRTLEY: I'm sorry.

9 MODERATOR MARCHAND: I just want
10 to make sure that everybody on the webcast
11 knows who's speaking.

12 DR. KIRTLEY: Okay. I figured I
13 have a fairly distinctive voice. We have
14 pharmacies that they would be I think very
15 open, and have even pursued having some sort
16 of hybrid registration or designation even if
17 it's as an outsourcing pharmacy, just like a
18 repacker would do, because they feel as if
19 they are trying to meet a higher standard
20 than what we might just have as a Board of
21 Pharmacy. And to be able to show if they're
22 crossing state lines, this is where we get

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1 into the federal-state interaction that there
2 is a higher standard for whether it's beyond
3 use dating, taking non-sterile to sterile, or
4 whatever it is, that they are willing to meet
5 and have oversight from both the state and
6 the federal government to come in and say if
7 you see something that we need to improve,
8 let us know what it is. We want to fix it,
9 because we don't want to have those problems,
10 but we see this need in an area, and we want
11 to be able to safely prepare medications for
12 these patients.

13 MODERATOR MARCHAND: Thank you.
14 Any other -- Dr. Hamburg.

15 COMMISSIONER HAMBURG: I just
16 wanted to propose really that I think this
17 issue about defining the terms, compounder,
18 manufacturer, and how that then aligns with
19 regulatory responsibilities and actions is
20 just so, so fundamental and I think we've
21 surfaced a lot of the issues and concerns,
22 but I think we ought to have a -- I know we

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1 have some working groups now, but we ought to
2 really continue this discussion with some of
3 the people represented here with ASTHO and
4 NABP, and really try to see if we can come up
5 with something that really gets more to the
6 tension as described between clarity and
7 nuance. Because I think that the
8 ramifications of not getting it right, or at
9 least not getting closer to what's right and
10 being explicit in a definitional way does put
11 a lot of things at jeopardy. As Cody, I
12 think, indicated there are a lot of sub-
13 issues and we need to make sure that the
14 decisions we make, the approaches that we
15 pursue, and potentially what might go into
16 new legislation really reflects all of the
17 different perspectives and experiences. So, I
18 just think this is so important that we need
19 to really, not now because I know you're
20 mindful of time, but continue this discussion
21 and really move towards some broader
22 clarification and definitions.

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1 MODERATOR MARCHAND: Thank you.
2 All right. With that, I think we'll move on
3 to the Discussion Topic 3, and it is, is
4 there a way to rebalance federal and state
5 participation in the regulation of pharmacy
6 compounding that would better protect public
7 health? What strategies should be developed
8 to further strengthen federal and state
9 communications? And we'll begin back on this
10 side of the table closest to me, and Mr. John
11 Kirtley from Arkansas.

12 DR. KIRTLEY: Thank you. I'm glad
13 that this is hopefully a quicker flow through
14 so we try to get out side of the table to
15 speed things along.

16 I think this is something, and
17 this is not a statement to denigrate either
18 the Boards of Pharmacy, Departments of
19 Health, the FDA, or anyone else, but I think
20 that we all recognize there are opportunities
21 for improvement here. There are definitely
22 some opportunities for us to increase

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1 communication whether that be between states,
2 or between states and FDA by the state and
3 federal regulators.

4 With that, some suggestions that
5 we would have is to increase and improve the
6 FDA outreach to everyone, so not only just us
7 as state regulators, but also directly to
8 hospitals, state agencies, industries,
9 outsourcing pharmacies, ad mixture,
10 traditional, non-traditional, whatever jargon
11 you want to put in there, that when we do
12 that, and even potentially picking up some
13 things such as regional meetings. We have
14 some states right now that we're planning on
15 having a regional meeting, sit down to show
16 amongst each other and invite FDA in to say
17 here's what we do when we go into one of
18 these pharmacies. Here are the inspection
19 forms we use, this is the training we've had
20 for our staff, so give us feedback. Here's
21 what we've got, shoot holes in it and tell us
22 what we're missing. Also, what can we do

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1 together to improve the searchability for
2 information on our websites, and even with
3 the FDA website so that if you are trying to
4 find something there's a little bit easier
5 search tool, or there's a little bit easier
6 access to determine directly where it is. I
7 know with our own websites sometimes you say
8 okay, get on the website, click in the top
9 left corner here, and then you drop down four
10 rows, on the third page on the right-hand,
11 you guys get the point. It's difficult to
12 find information.

13 With that, you could also say
14 that you could provide resources to the
15 states to give oversight of pharmacy
16 compounding or specific training to our
17 staffs. Although many of us have professional
18 staffs that are pharmacists with years of
19 experience, or years of experience doing
20 surveys, it's what exactly would you look
21 for?

22 I've never been given the

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1 opportunity necessarily to see how the FDA
2 would inspect a CGMP facility, or how you
3 would look at a manufacturer, so there are
4 things I could pick up there that my staff
5 and I could use when we go into these
6 pharmacies.

7 Creating a centralized systematic
8 method of sharing inspection data from FDA
9 with the states, and I think conversely from
10 the states back to the FDA. We all have
11 different Freedom of Information rules. Some
12 of us, our inspections are wide open. If you
13 want to see what happened with the pharmacy
14 inspection in my states, it's something that
15 you ask, you've got it. I can show you years
16 of past data of what we've done. Some states
17 are not able to release that, and in
18 instances of cases, the FDA is not able to
19 release that to the states. So, it's
20 something we can all work on.

21 The last couple of things is we
22 often see where either a state or the FDA has

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1 an issue with a pharmacy. So, whenever we
2 have a case, a warning letter or something,
3 usually that elicits a response from the
4 pharmacy. And, yet, what we might not have is
5 a close to that loop. We don't know that
6 there's a warning letter, there's a response
7 from whoever got the warning letter, so then
8 what happens? What's the wrap-up? Is the
9 response sufficient or are there other items
10 that need to be fixed? And it's something
11 that I think that the FDA needs, and the
12 states need, as well as whoever the permit
13 holder is that's responsible for it.

14 MODERATOR MARCHAND: Mr. Campbell.

15 MR. CAMPBELL: Thank you. Jay
16 Campbell from North Carolina. These are my
17 perfect categories, but I'm going to focus on
18 communication, as well, because I think the
19 first question here about rebalancing is sort
20 of the whole point of the discussion of every
21 one of these. So, let me focus on
22 communication.

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1 First, general information
2 availability. I agree, any FDA action,
3 whether it's a warning letter or other action
4 that needs to be reported to NABP so that it
5 goes into the building database of pharmacy
6 actions, and it needs to go at a minimum to
7 the home State Board of Pharmacy.

8 I think that that communication
9 directly to the state regulators has been
10 sporadic, at best. And, certainly, even it
11 goes to one state, it's not necessarily going
12 to others.

13 I do think that the FDA's website
14 contains all manner of terrific information.
15 Finding it sometimes is more than a bit of a
16 challenge, and I think that, again, to use
17 your phrase, Dr. Hamburg, I think some low
18 hanging fruit there is providing specific
19 consolidation of information directly
20 relevant to state regulators onto an easy to
21 access page or portal would go a long way at
22 very low cost.

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1 Also, second sort of category I
2 talk about would be specific information
3 sharing. Understanding that there are
4 probably federal law barriers that you have
5 to deal with, my experience is that in
6 getting sharing of information specific to an
7 investigation that FDA is conducting is
8 ponderous, at best. Ponderous in terms of
9 opening up the avenue for sharing that
10 information, and often not timely in the
11 reporting of that information to the states.
12 If two years pass between the opening of an
13 investigation and some sort of FDA
14 resolution, and the states are sort of
15 waiting to figure that -- that's too long.
16 And I think everybody would agree with that.

17 We've already mentioned -- you
18 mentioned, Dr. Hamburg, at the beginning this
19 is a historic meeting, and you're right, and
20 it shouldn't be. These meetings at the
21 national level between state and federal
22 regulators, as well as at the regional and

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1 local level -- I'm not saying we -- we're all
2 overburdened people, so we don't need to fill
3 up our calendars with meetings just for the
4 sake of having them. But I think even for --
5 and maybe especially at the local, the
6 individual state level, having regular
7 communications with our FDA liaisons and
8 others, it may not be about a specific case,
9 but it helps build a relationship. And the
10 more that we have these relationships, and
11 the more we have a level of trust in each
12 other, hopefully trust in each other. I hope
13 it doesn't result in less trust, but I think
14 we have more trust, then a lot of these
15 information sharing things take care of
16 themselves and don't necessarily have to be
17 formal mechanisms.

18 And then, finally, what I
19 describe as a raw category, information
20 gathering. All of this stuff has to be a two-
21 way street. If you gather information that we
22 need, you need to share it with us. If we

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1 gather information that you need, we need to
2 share it with you. Let's make sure that it is
3 a two-way street.

4 Board regulators can very much be
5 an -- board investigators can very much be, I
6 think, a good tool for the FDA in terms of
7 going in with you on inspections, or helping
8 you investigate a particular problem. We need
9 to look -- whether that's credentialing, or
10 commissioning, or whether it's a less formal
11 thing, we need to have easier paths to walk
12 into a facility that we're concerned about,
13 because it goes back to the question asked
14 before, can we have perfect clarity? We
15 can't. We can do better, perhaps, but we
16 can't have -- I think Justice O'Connor once
17 wrote in an opinion that folks often come up
18 with grand unified theories of the law that
19 are neither grand or unified, and I think
20 that applies here. But if we can have
21 opportunities to go in together, we may find
22 the clarity we need, not necessarily in the

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1 regulatory definition, but in the facts we
2 find on the ground, and the ability to go in
3 and do those things together, again, whether
4 it's credentialing, or whether it's Memoranda
5 of Understanding, or whatever it is, I think
6 those things would very much improve the job
7 that you do as federal regulators, and the
8 job that we do as state regulators.

9 John was spot on the mark there.
10 We have very often had our investigators go
11 in with DEA agents, or had DEA agents come in
12 with us. And if you can get rid of that
13 territoriality aspect, we're going to be in
14 here and you're not, we found that sort of
15 educational working process to provide
16 tremendous regulatory benefits. So, those
17 would be our suggestions about communications
18 and working together. And I do think that's
19 low hanging fruit.

20 MODERATOR MARCHAND: Thank you.
21 Mr. Wiberg.

22 DR. WIBERG: First, I'd echo what

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1 Jay said. Our regional group when we
2 addressed this topic question really didn't
3 spend a whole lot of time on the rebalancing
4 federal and state participation because
5 really if you take a look at Topics 2, 3, and
6 4 together, it's really about what are the --
7 what is the state role, what's the federal
8 role? How can they be rebalanced? So, we did
9 spend a lot more time talking about
10 communications.

11 I'm actually going to be pretty
12 brief because my colleagues here have already
13 talked about almost all of the things that
14 we've talked about, so there must be some
15 commonality between the regions.

16 There was one thing, I can't
17 remember if they added it or not, just
18 looking through this list as they were
19 talking, and that's webinar training. If
20 there's any sort of webinar training that the
21 FDA could provide to states, state regulatory
22 agencies in those areas where there is common

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1 regulatory concern that might be appreciated.

2 And I can say that in Minnesota
3 we've been actually pretty happy with our
4 relations with the local FDA office. We
5 actually work with them quite a lot. In fact,
6 in between sessions when I was checking my
7 email, one of the staff at the FDA office in
8 Minneapolis said -- answered a question that
9 one of our -- that our chief surveyor had
10 about issues, so I think we communicate well.
11 I think there's always room to do even more,
12 and there probably definitely is -- as we go
13 forward here, I think there's going to be the
14 need if both the FDA and the states have
15 resources to do joint inspections and
16 investigations of some of these facilities.

17 MODERATOR MARCHAND: Okay, thank
18 you. With that, I'll open it to the FDA panel
19 for questions, points to clarify?

20 COMMISSIONER HAMBURG: My sense is
21 we all agree that there's some real
22 opportunities here to strengthen our day to

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1 day activities and our crisis response
2 activities, and it will benefit us all. And
3 some of it we should start on, you know,
4 tomorrow.

5 MR. CAMPBELL: And I would single
6 out, we have a specific FDA state liaison
7 named Brett Weed. If Brett's watching, hi,
8 Brett. And it's been a very good star. And
9 it's nice to have that contact person, and
10 he's available and easy to reach. And that's
11 good. Even better is getting the information
12 back, so let's make sure we all -- we'd all
13 be happy to be in touch with each other and
14 that's important, but I think we've got to
15 make sure that we're not just in touch, we're
16 actually passing information back and forth.

17 COMMISSIONER HAMBURG: And I guess
18 I should underscore -- I'm sorry, Howard, but
19 I believe it was our colleague from New York
20 who underscored bidirectional. And
21 bidirectional really matters, and I think the
22 back and forth flow is key, and you've

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1 spelled out very well some ways in which we
2 can clarify how we present information, but
3 also getting that feedback from you, and
4 information about what you're finding or what
5 concerns are is really important to us,
6 because that may actually trigger an action
7 where we didn't know there was a problem,
8 because we don't have other mechanisms
9 sometimes for getting access to information
10 in this compounding pharmacy area, or we
11 don't have the on the ground responsibility
12 for oversight and regulation. So, that would
13 be terrific. And, of course, our regional
14 offices provide one way, but hopefully we'll
15 have some additional mechanisms that will be
16 clarified to help with that, and we're eager
17 to work with you on some of the training, and
18 education, and shared inspectional activities
19 that you described, as well.

20 MR. SKLAMBERG: And we found on
21 the food side where the cooperation is
22 imperative, and indeed is required by the

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1 Food Safety Modernization Act, that really
2 there are kind of two levels of the contact.
3 Some are in more formal settings like this,
4 and conferences and through training, and
5 probably even more importantly is the day to
6 day interactions that then flow from that
7 through, as Dr. Hamburg pointed out, our
8 district offices. And that those contacts
9 hopefully over time become more and more
10 routine, that it literally is, you know, a
11 cooperative venture in terms of how we deal
12 with this problem.

13 MODERATOR MARCHAND: Okay.

14 DR. DUNHAM: Bernadette Dunham,
15 just a quick follow-up. I couldn't agree
16 more. I think it's one house, and I think
17 everybody right now wants to see everybody
18 working together. It's bringing the best out
19 of the states, and the federal government to
20 address these issues because it impacts
21 public health. And the more that we figure
22 out how we're able to share information, and

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1 many times I know, I'm not a lawyer, that
2 brings in the legal of how do we do this. But
3 if we all want to make a success story
4 sitting down with your wonderful
5 recommendations that you've shared with us,
6 we can make it happen. And that's why I think
7 this particular meeting is so significant, so
8 I can't agree with you more. Thank you.

9 MODERATOR MARCHAND: Okay, thank
10 you. Well, let's move on to our fourth
11 discussion topic. Do you see a role for the
12 states in enforcing the federal standard for
13 non-traditional compounding? If so, what
14 role? What factors would affect a decision by
15 your state to take on such responsibility?
16 And let's move to the other side of the table
17 and begin with Central Region I. I'm sorry,
18 Central Region II. Mr. Yi.

19 DR. YI: Thank you. Yes, our group
20 definitely felt that there was a role for the
21 states to play based on federal standards
22 that would come out of this. This is

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1 dependent on resources from state to state. A
2 lot of the resources that the different
3 states in our group that participated in the
4 discussion, the resources differed from state
5 to state, so that's a big factor.

6 One resource was manpower and
7 funding. And the -- I guess the ideas that
8 came up was maybe it could be modeled after
9 the CMS program for surveyors of health care
10 facilities, nursing homes, ambulatory surgery
11 centers, hospitals, where CMS funds the
12 surveyors in each state to do the inspections
13 on behalf of CMS. So, if we could maybe look
14 at that model and take some parts out, that
15 would be beneficial.

16 Also, joint state and federal FDA
17 inspections, as was discussed earlier.
18 Training is a big thing, also, that came up
19 time and time after again, training so that
20 all 50 states are on the same page of what to
21 look for when they go out and do these
22 inspections. And training on just things like

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1 USP 797 and just if there's revisions to
2 accepted standards of practice, again
3 training on those so everybody's on the same
4 page.

5 Also, communication. This is
6 another topic that's come up time and time
7 again today, just communication between the
8 states and between FDA and the states. That
9 would be helpful.

10 MODERATOR MARCHAND: Thank you.
11 Mr. Mokhiber.

12 MR. MOKHIBER: Thank you. In the
13 interest of time, it's been a long day and
14 I'm really tempted to just say ditto. But we
15 said the answer is yes, it was an affirmative
16 from all of our participants in our work
17 group, but the degree of yes, again follows
18 the definition. And just as we enforce other
19 provisions or underwrite and reinforce other
20 provisions of federal law, controlled
21 substance law, the consumer products safety
22 laws on child-resistant containers, sure,

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1 there's a role for the states. And it would
2 be greater or lesser about how we ultimately
3 define this third category, if you will, or
4 the establishment that we're really talking
5 about. So, the answer, the short answer is
6 yes. And then fill in the blanks as we fix
7 the definitions.

8 Everybody thought it was critical
9 to make sure that whether or not pharmacists
10 were involved in the process, so if we were
11 to take an establishment where there wasn't a
12 pharmacist in charge, or supervising
13 pharmacist, or responsible pharmacist for the
14 production of the product as there may not be
15 in certain manufacturing plants, our role
16 would be diminished. We perceive that
17 probably what would come out would be some
18 hybrid where pharmacists will be involved,
19 and our involvement will stay at a higher
20 level.

21 We would also look at, you know,
22 some of our colleagues who were impacted most

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1 directly by the NECC mess. Again, this has to
2 be now, not sometime in the distant future.
3 Funding and training were important. We also
4 looked at the CMS model of perhaps cost
5 sharing for the states who would do some of
6 the work to help to make sure that federal
7 provisions are met. And, again, I want to
8 thank you.

9 MODERATOR MARCHAND: Thank you.
10 Mr. Johnston.

11 MR. JOHNSTON: I think this
12 question is a little more tricky. I'm
13 certainly not an attorney, but this really
14 comes down to a basic of law. States can only
15 enforce which they have statutory authority
16 to enforce. Many states, I'd say most states
17 can't carte blanche enforce federal law, so
18 do you see a role for the states in enforcing
19 a federal standard of non-traditional
20 compounding? Really the short answer is no,
21 we can't enforce federal law. However, if the
22 federal government was to define

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1 manufacturing, what's left over is
2 compounding, and compounding the states can
3 enforce.

4 Also, the FDA could engage in
5 training of state inspectors and through a
6 commission process the FDA could contract
7 with a willing state to perform inspections
8 to the federal level. That's entirely
9 possible.

10 Also, states could incorporate by
11 reference the federal law, but that's yet
12 again another step which takes some time, so
13 on its basis, I think the answer is no.
14 However, I think there's plenty of room to
15 work on that.

16 MODERATOR MARCHAND: Thank you.
17 All right, FDA panel, Howard Sklamberg.

18 MR. SKLAMBERG: Yes. I think part
19 of this is kind of in a play in the word
20 "enforce." I mean, if we're talking about
21 going in and inspecting and evaluating
22 against a federal standard, when it comes to

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1 actually enforcement as in say going to
2 court, that might be the federal
3 responsibility. And I guess the word
4 "enforce," there are different definitions.
5 There is surveilling and inspecting, and then
6 enforcing, and it depends how a law would be
7 written, and how that -- how those
8 responsibilities could be distributed.

9 COMMISSIONER HAMBURG: I think we
10 heard from some of your colleagues earlier
11 today that there are clearly programs where
12 there are federal standards and states are
13 inspecting to them working with the relevant
14 federal agency. I mean, you just mentioned
15 the CMS surveys which is sort of a variation
16 on that theme in some way, and within FDA
17 those of you from State Health Departments
18 are probably familiar with our mammography
19 quality inspectional activities where we have
20 a program that gives grants to -- I'm not a
21 lawyer. I'm not sure what form they're in so
22 I won't say that, but resources to states in

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1 order to be part of this program which is
2 inspecting to a set of uniform national
3 standards. So, I think that there's a way to
4 frame it and I think, you know, it would --
5 this question sort of depends on our being
6 able to come together and really figure out
7 what we mean by non-traditional compounding,
8 and probably requires that there be some
9 legislative action, as well, to create new
10 programs in this arena. And, you know, there
11 are probably resource questions that will
12 become salient here, as well. But I think
13 it's the concept of that enhanced partnership
14 in this arena that I think we were trying to
15 get at, and my sense is that there the answer
16 is yes, that we do see a role, whether it's
17 in communication, or training, or development
18 of clearer standards that the working
19 together is important. But that this last
20 question, you know, does depend not just on
21 the semantics and interpretation of how we
22 phrase the question, but also on some broader

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1 contextual issues that will be ongoing. But I
2 think it's something we can continue to drill
3 down on as we work either through the sort of
4 working group that I proposed earlier when we
5 were discussing I think Topic 2, or other
6 existing mechanisms.

7 MODERATOR MARCHAND: Mr. Wiberg,
8 comment?

9 DR. WIBERG: Yes. I would just say
10 that I actually do think it's possible for
11 states to enforce federal standards. There
12 are ways that it can be done. In Minnesota
13 there's a couple of different things.

14 In the statutes created by the
15 legislature, the enabling statute that
16 creates the Board of Pharmacy, in the Powers
17 and Duties section it says, "It shall be the
18 power and duty of the Board of Pharmacy to,"
19 and one of the things it talks about, and
20 it's not the exact language, but to regulate
21 the quality and purity of drugs in accordance
22 with relevant federal standards including

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1 those set by the United States Pharmacopeia,
2 et cetera. So, if there were a federal
3 standard established either in statute or by
4 the FDA as a result of statute, I think that
5 we could amend our state statutes to reflect
6 that we also need to enforce that standard.

7 The other thing is the Board of
8 Pharmacy in Minnesota, and probably most
9 states, derives its real authority to do
10 something -- well, our real authority to do
11 something is based on the fact that we issue
12 licenses. And we can take licenses away as
13 part of a disciplinary process. And the Board
14 has adopted by rule a definition of
15 unprofessional conduct. And unprofessional
16 conduct in Minnesota includes failure to
17 follow all federal, state, and local
18 statutes, rules and ordinances related to the
19 practice of pharmacy. So, we can actually --
20 even if we weren't going to court to enjoin
21 some practice, which the FDA might have to
22 do, what we could do is we can go to the

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1 pharmacy and say you're not following these
2 federal standards. That is unprofessional
3 conduct. You need to follow those standards
4 or we're going to potentially take
5 disciplinary action against your license.

6 I will say that there is one
7 area, and one of the things I emphasized in
8 our group, and why it can be critical in the
9 future for the FDA to do joint investigations
10 with states is with most states, except I
11 guess for the State of Ohio, pharmacy boards
12 are regulatory licensing agencies. We're not
13 law enforcement agencies. We can't initiate
14 criminal proceedings. The FDA can, so that
15 may be in some of these really horrible
16 situations something that's going to get the
17 attention of folks even more than what we can
18 do.

19 I say the same thing about the
20 DEA. We can go in, we can discipline
21 someone's license, we can't put people in
22 jail, so that is one thing I think the FDA

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1 still would need to be involved.

2 MODERATOR MARCHAND: Thank you.
3 Any other FDA panel members? No? Well, we've
4 come to the end of the fourth discussion
5 point, and that will be concluding our
6 interactive dialogue with the 50 states, the
7 intergovernmental meeting as well as the
8 public meeting. And I certainly would like to
9 thank the states for their active
10 participation today. It was a very active and
11 dynamic work group sessions that we had
12 earlier in the day, and I certainly would
13 like to thank the state representatives who
14 spoke at the public meeting, so appreciate
15 that.

16 And, also, I'd like to thank the
17 FDA staff that made this possible, and I'd
18 like to just call out our facilitators who
19 were involved in the working groups, Gail
20 Bormel, Beth Rich, Anna Fine, Connie Jung,
21 Lesley Maloney, and Mary Kremzner. Thank you
22 very much for actively working in the working

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1 groups. And, also, I'd like to point out
2 Colleen O'Malley who is our sort of our
3 facilitator in residence here at the FDA, and
4 was involved in training the group. As well,
5 the note takers, Selena Prasad, Kathy Miller,
6 Stephanie Joseph, Edisa Gozun, Lindsay
7 Davidson, and Brenda Rose. And special thanks
8 go also to Steve Morin who was involved in
9 registering, James Valentine for making sure
10 things went smoothly here in the room today,
11 and Dan Zeppi for making sure the webinar
12 went as it was supposed to. And, again, we
13 had over 500 people on the webinar.

14 And before we conclude, certainly
15 Pat Kuntze for managing all the logistics
16 with regard to the meeting, and Virginia Cox
17 for making sure that the team was led and
18 brought forward the right group of people to
19 pull it off today.

20 So, with that, I'd like to also
21 ask the Commissioner to come for some closing
22 remarks. Dr. Hamburg.

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1 COMMISSIONER HAMBURG: Why don't I
2 just speak from here, and you'll be glad to
3 know that I am not going to try to do an
4 overview of all the most interesting and
5 important issues that were raised over the
6 course of the day. Rather, I want to thank
7 you all, you know, really, sincerely that
8 your participating in this meeting has made a
9 real difference to us. We have all learned a
10 lot, and I think together we've been able to
11 identify a set of important near-term and
12 longer term steps. And I think we will be
13 able to put in place some new systems and
14 partnerships that will be really, really
15 important and make an enduring difference.

16 So, let me just say this has been
17 a rich discussion, but a very long day. Kudos
18 to our moderator for keeping us not only on
19 schedule but actually allowing us to end a
20 little bit early. I know many of you have
21 planes to catch, and I will just close by
22 saying, you know, Happy Holidays to all of

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1 you. Thank you for the good work that you do,
2 and the work of the organizations that you
3 represent. We intend to continue these
4 discussions and to work closely with you, and
5 I wish you all safe travels, and all the
6 best. Happy Holidays.

7 (Applause.)

8 (End of webcast.)

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